

MULTIMEDIA



UNIVERSITY®

STUDENT ID NO

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# MULTIMEDIA UNIVERSITY

## FINAL EXAMINATION

TRIMESTER 2, 2017 / 2018

**PCA0074 - COMPUTER APPLICATIONS IN BUSINESS**

(Foundation in Management)

5<sup>th</sup> MARCH 2018  
9.00 a.m. – 11.00 a.m.  
(2 Hours)

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### INSTRUCTIONS TO STUDENT

1. This question paper consists of 3 pages with 5 Questions only.
2. Attempt **ALL** questions. All questions carry equal marks and the distribution of the marks for each question is given.
3. Write your answers in the Answer Booklet.

**QUESTION 1 [20 Marks]**

- a. A processor is known to be the “brain” of a computer. What does the processor process? How is the processing power of a computer measured?  
(4 marks)
- b. Information Processing Cycle is a sequence of events in processing information. Illustrate and label the Information Processing Cycle with a diagram.  
(12 marks)
- c. Explain the **TWO (2)** types of web filtering software.  
(4 marks)

**QUESTION 2 [20 Marks]**

- a. Answer the following questions on input devices.
- i. What is the role of an input device?  
(1 mark)
  - ii. What device can be used for a voice input?  
(1 mark)
  - iii. List 2 examples of input devices.  
(1 mark)
- b. Fill in the blanks on printing and types of printers.
- i. Setting a monitor to display a higher \_\_\_\_ uses a greater number of pixels and provides a smoother image.  
(2 marks)
  - ii. A printout in \_\_\_\_ orientation presents its information printed across the shorter width of the paper.  
(2 marks)
  - iii. \_\_\_\_ printer generates images by pushing electrically heated pins against heat-sensitive paper.  
(2 marks)
  - iv. \_\_\_\_ printer is a small, lightweight battery-powered printer that allows a mobile user to print from a mobile device.  
(2 marks)
  - v. A(n) \_\_\_\_ is a printer used to produce high- quality drawings such as blueprints, maps and circuit diagrams.  
(2 marks)

**Continued...**

- c. Based on Figure 1 below, name and explain the type of interface.

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02/01/2018 11:39 AM <DIR> 3D Objects
02/01/2018 11:39 AM <DIR> Contacts
02/01/2018 11:52 AM <DIR> Desktop
02/01/2018 11:39 AM <DIR> Documents
02/01/2018 05:13 PM <DIR> Downloads
02/01/2018 11:39 AM <DIR> Favorites
02/01/2018 11:39 AM <DIR> Links
02/01/2018 11:39 AM <DIR> Music
30/11/2017 08:57 AM <DIR> OneDrive
02/01/2018 11:39 AM <DIR> Pictures
02/01/2018 11:39 AM <DIR> Saved Games
02/01/2018 11:39 AM <DIR> Searches
02/01/2018 11:39 AM <DIR> Videos
0 File(s) 0 bytes
18 Dir(s) 192,249,310,976 bytes free

C:\Users\MU038185>ping www.google.com

Pinging www.google.com [172.217.31.36] with 32 bytes of data:
Reply from 172.217.21.36: bytes=32 time=4ms TTL=55
Reply from 172.217.31.36: bytes=32 time=4ms TTL=55
Reply from 172.217.31.36: bytes=32 time=4ms TTL=55
Reply from 172.217.31.36: bytes=32 time=4ms TTL=55

Ping statistics for 172.217.31.36:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 4ms, Average = 4ms

C:\Users\MU038185>

```

Figure 1

(3 marks)

- d. Computer users often multitask. Hence, they have programs or applications several running in the multitasking environment. Multitasking is used to keep all of a computer's resources at work as much of the time as possible. It is controlled by the operating system. Programs can be executed using a foreground/background system. Explain the difference between foreground system and background system?

(4 marks)

### QUESTION 3 [20 Marks]

- a. Explain what a broadband connection is and how it differs from a dial-up connection?
- b. The **TWO (2)** popular wireless broadband Internet services are Wireless Fidelity and Mobile Broadband. Discuss.

(6 marks)

Continued...

- c. Identify the letter of choice that best matches the phrase of definition.

a. subscribe	1. One billion characters
b. gigabyte	2. To add your email name and address to a mailing list
c. IP address	3. Your Internet service provider supplies this for a website URL.
d. domain name	4. A unique number that identifies each computer on the Internet

(4 marks)

- d. Melissa is currently a university student. She wanted a quiet place to work on her assignment and she went to Star Coffeehouse which offers free Wi-Fi. She then connects to the wireless connection with the given password. Explain the communication device that makes Wi-Fi possible.

(4 marks)

#### QUESTION 4 [20 Marks]

- a. What are the five elements of multimedia? Discuss the importance of multimedia and provide **TWO (2)** examples of industries where multimedia could be used.
- b. E-learning is a type of learning conducted through media. In most cases, e-learning programmes are delivered through the Internet. Explain the advantages and disadvantages of e-learning.

(10 marks)

(10 marks)

#### QUESTION 5 [20 Marks]

- a. Many computer users consider malware, spyware and adware the same thing. While all these can cause harm to the computers, they are not the same as they behave very differently. Explain.
- b. What is the difference between a password and a passphrase?
- c. What is the meaning of software piracy? Name one organization that work to prevent software piracy.

(9 marks)

(6 marks)

(5 marks)

Continued...

